



**PERLOVE  
MEDICAL**

# **HIGH FREQUENCY MOBILE DIGITAL RADIOGRAPHY SYSTEM PLX5200**



## **PRESENTATION OF PRODUCT**

## ***PRODUCT DESCRIPTION***

### ***Product Usage***

PLX5200 is high frequency combined digital X-ray radiography medical diagnostic equipment, it is used in radiography department, orthopedics, wards, emergency room, operation room, ICU, etc. It can satisfy the requirement of parts of body such as head, limbs, chest, spine, stomach, ect.



Type	Item		Spec
High frequency X-ray	Max output power		25kW
	Main Inverter Frequency		60kHz
	X-ray tube	Focus	Small focus:0.6; Large focus:1.3
		Rotation anode speed	3000rpm
	Heat capacity		900kJ (1200kHU)
	Tube current		200mA
	Tube voltage		40-125kV
	MAS		0.4-360mAs
Digital image system	Digital detector	Detector	Amorphous silicon detector
		scintillator	cesium iodide
		View	14"×17"
		Pixel	3000×2400
		Max spatial resolution	3.5Lp/mm
		Pixel size	144μm
		Output gray-scale	16bits
		DQE	75%
	Acquisition module		Gigabit nets collection
	Workstation	Built-in CONTEXTVISION	
		Image processing model	GOPVIEW XR2 Enhance module, parameters chosen according to particular part
		Image information management	Dicom Storage Dicom Print Dicom transmission
Physical construction performance	Distance from floor to focus		Max:193cm; Min:73cm
	Distance from focus to pillar		Max:122cm; Min:72cm
	X-ray Tube components can rotate around the telescopic boom axis		±90°
	Collimator rotate around vertical axis		±90°
	Rotation range of pillar		0°~360°
Power supply	220V±10%		50/60Hz

***Basic configuration:***

1. High quality combined high frequency high voltage generator
2. Color graphical touch LCD control system
3. Panel detector with free movement
4. High quality IPC
5. Large size medical LCD display
6. New type mobile column rack
7. Symmetric adjustable, wireless ranging rotatable collimator with lamp
8. Electric assistance drive system
9. Cable exposure hand brake
10. Wireless remote control exposure device

***X-ray generator:***

1. 25KW compact x-ray generator;
2. High frequency of 60Khz;
3. With high technology to reduce the radiation;

***Unique Power supply way:***

1. Supers capacitor to supply power in photography and durable life;
2. Li-Battery to supply power in mechanical movement;

***Mechanical movement:***

1. The horizon arm can be contracted freely;
2. The pillar has the electronic up and down movement; and be rotated 360 degree;
3. X-ray tube is rotary and moves left and right with 90 degree;
4. Collimator can be rotated left and right with 90 degree;
5. Comprehensive integration control drive
6. Collimator Rotation Range:  $\pm 90$  degrees
7. Tube Tilt:  $-10$  to  $+90$  degrees
8. Tube Rotation:  $\pm 180$  degrees

***Software:***

LCD touch screen operation panel to control the machine conveniently;



